

## C l a i m s

1. A device for tensioning and relieving production tubing (49) extending from a subsea hydrocarbon well (107) up through a riser (63) to a floating installation (87), a continuous production tubing extension (85) passing through a telescopic unit (67) in the upper section of the riser (63), preferably extending above a production deck (89) on the floating installation (87),  
c h a r a c t e r i z e d i n that the production tubing (49) is provided with a tubing tensioner unit (1) below and in the proximity of the lower end of the telescopic unit (67).
2. A device in accordance with Claim 1,  
c h a r a c t e r i z e d i n that the tubing tensioner unit (1) comprises means (3, 5, 25, 41, 69) designed to connect the production tubing (49) to the riser (63).
3. A device in accordance with Claim 1,  
c h a r a c t e r i z e d i n that the tubing tensioner unit (1) comprises a tubular cylinder (3) provided with several spring-loaded ratchets (25, 41) designed to engage a lower face (71) in an annular internal recess (69) in a housing (5) integrated into the riser (63).

4. A device in accordance with one or more of the preceding claims, characterized in that the tubing tensioner unit (1) comprises means (3, 75) designed to maintain an amount of tension in the production tubing (49).
5. A device in accordance with one or more of the preceding claims, characterized in that the tubular cylinder (3) is provided with a tubular piston rod (43) comprising coupling means (45) designed to be connected to corresponding coupling means (47, 48) on the production tubing (49) and the production tubing extension (85).
6. A device in accordance with one or more of the preceding claims, characterized in that the tubular cylinder (3) is designed to receive a hydraulic pressure in a cylinder chamber below a piston (53).
7. A device in accordance with one or more of the preceding claims, characterized in that an upper end portion of the production tubing extension (85) is connected to a tensioning device (93, 97, 99, 101, 105).
8. A device in accordance with Claim 7, characterized in that the tensioning device comprises several pulleys (93, 101), one or more wires (95) and one or more counterweights (105).